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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/023,857	12/21/2001	James Jeannette	088305-0142	5707

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FOLEY AND LARDNER  
SUITE 500  
3000 K STREET NW  
WASHINGTON, DC 20007

EXAMINER
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STEVENS, ROBERT

ART UNIT	PAPER NUMBER
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2176

DATE MAILED: 03/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/023,857

Applicant(s)

JEANNETTE ET AL.

Examiner

Robert M Stevens

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 21 December 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-73 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-73 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 December 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 12/21/2001.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### **DETAILED ACTION**

1. Claims 1-73 are pending in Application No. 10/023,857, entitled "Automated Method, System and Software for Transforming Data Between Extensible Markup Language Format and Electronic Data Interchange Format", filed 12/21/2001 by Jeannette et al. Claims 1, 13, 26, 27, 39, 49, 58, 64 and 73 are independent.
2. The Office acknowledges Information Disclosure Statement filed on 12/21/2001.

#### ***Priority***

3. Applicant makes no claim to either domestic or foreign priority.

#### ***Specification***

4. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required:
  - A. The term receiver was not defined in the specification. It appears in (at least) claims 58 and 59.
  - B. The phrase "computer program product" (or its short hand equivalent "program product") was not defined in the specification. It appears in claims 27-38 and 64-72.

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5. Please correct all spelling/grammatical/etc. errors in the specification, including the claims and drawings. By way of example please refer to the extra "and" at the end of line 7 in claim 39.

***Claim Rejections - 35 USC § 101***

6. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

7. **Claims 13-38 and 58-73 are rejected under 35 U.S.C. 101** because the claimed invention is directed to non-statutory subject matter.

**Regarding independent claims 13, 26, 58 and 73:** The language of these claims merely describes a computer program per se. As such, this raises a question as to whether the claim is directed merely to an abstract idea that is not tied to a technological art, environment or machine, which would result in a practical application producing a concrete, useful and tangible result to form the basis of statutory subject matter under 35 USC 101.

One technique for satisfying the requirements of 35 USC 101 is to claim code residing in memory (i.e., hardware), wherein that code produces a tangible result.

**Claims 14-25 and 59-63** are dependent upon claims 27 and 64, respectively, and do not add any limitations that would render these claims statutory under 35 USC 101. Therefore, these claims are likewise rejected.

**Regarding independent claims 27 and 64:** The language of these claims raises a question as to whether these claims are each directed merely to an abstract idea that is not tied to a technological art, environment or machine, which would result in a practical application producing a concrete, useful and tangible result to form the basis of statutory subject matter under 35 USC 101.

By way of example, a claim is not considered to be in the technological arts if the claim language is such that the claim elements could be performed using pencil or paper. However, one technique for satisfying the requirements of 35 USC 101 is to claim code residing in memory (i.e., hardware), wherein that code produces a tangible result.

The language of these claims indicates that the claims are not tangible embodied (i.e., "having code that is executable by a computer" and "code configured to cause the computer to perform"). Is this claim directed to a carrier wave? To a computer print out? The phrase "computer program product" was not defined in the specification.

**Claims 28-38 and 65-72** are dependent upon claims 27 and 64, respectively, and do not add any limitations that would render these claims statutory under 35 USC 101. Therefore, these claims are likewise rejected.

***Claim Rejections - 35 USC § 102***

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

9. **Claims 1, 6-13, 15-18, 23-27, 29-32, 36-38, 49-50, 55-59, 64-65 and 70-73 are rejected under 35 USC 102(e)** as being anticipated by Shroeder et al (US Patent Application Publication No. 2002/0099735, filed Jan. 19, 2001 and published Jul. 25, 2002, hereafter referred to as "Shroeder").

**Regarding independent claim 1, Shroeder discloses:**

A computer implemented method of automatically generating Electronic Data Interchange (EDI) documents (Abstract and Fig. 1B #36) comprising the steps of:

*receiving a standard data model comprising EDI related data; (Fig. 1B #24)*

*generating data definitions for a self-describing markup language corresponding to each transaction of the EDI related data; ([0051])*

*generating self-describing markup language data using a data definition from the generated data definitions for the self-describing markup language corresponding to an EDI transaction and corresponding application data related to EDI; ([0052]) and*

*automatically generating an EDI document based on the self-describing markup language data. (Fig. 1B #36)*

**Regarding claim 6**, which is dependent upon claim 1, Shroeder further discloses:

*wherein the step of generating data definitions further comprises generating data definitions for the self-describing markup language ([0052]), a data model to read in data (Fig. 4 #404), a data model to read out data (Fig. 4 #412), and a map component file. (Fig. 4 #402)*

**Claims 7-9** are substantially similar to claim 6, and therefore likewise rejected.

**Regarding claim 10**, which is dependent upon claim 1, Shroeder further discloses:

*wherein the generated EDI document conforms to an ANSI X12 standard. ([0092], re: use of X12)*

**Regarding claim 11**, which is dependent upon claim 1, Shroeder further discloses:

*wherein the generated EDI document conforms to an UN EDIFACT standard. ([0092], re: use of Edifact)*

**Regarding claim 12**, which is dependent upon claim 1, Shroeder further discloses:

*wherein the self-describing markup language comprises extensible Markup Language (XML). (Fig. 1B #26, re: use of/translation to XML)*

**Independent claim 13** is directed to a system for implementing the method of claim 1. As such, claim 13 is substantially similar to claim 1, and therefore similarly rejected.

**Claim 15** is substantially similar to claim 6, and therefore likewise rejected.

**Claims 16-18** are substantially similar to claim 15, and therefore likewise rejected.

**Claims 23-25** are substantially similar to claims 10-12, respectively, and therefore likewise rejected.

**Independent claim 26** is a means plus function recitation directed to a system for implementing the method of claim 1. As such, claim 26 is substantially similar to claim 1, and therefore similarly rejected.

**Independent claim 27** is directed to a computer program product for code configured to cause a computer to perform the method steps of claim 1. As such, claim 27 is substantially similar to claim 1, and therefore similarly rejected.

**Claim 29** is substantially similar to claim 6, and therefore likewise rejected.

**Claims 30-32** are substantially similar to claim 29, and therefore likewise rejected.



**Claims 36-38** are substantially similar to claims 10-12, respectively, and therefore likewise rejected.

**Regarding independent claim 49**, Shroeder discloses:

A computer implemented method of automatically generating data in a self-describing markup language format from received EDI data (Abstract, and Fig. 1B #36), comprising the steps of:  
*receiving EDI data (Fig. 1B #24) from a component; (Fig. 1B #20)  
retrieving a self-describing markup language data definition  
corresponding to a transaction type of received EDI data; ([0052]) and  
automatically generating self-describing markup language data  
based on the received EDI data and the self-describing markup language  
data definition. (Fig. 4 #400, #402, #404 and #412)*

**Regarding claim 50**, which is dependent upon claim 49, Shroeder further discloses:

*prior to said receiving step, generating data definitions  
corresponding to each transaction type. ([0051])*

**Claims 55-57** are substantially similar to claims 10-12, respectively, and therefore likewise rejected.

**Independent claim 58** is directed to a system for implementing the method of claim 49. As such, claim 58 is substantially similar to claim 49, and therefore similarly rejected.

**Regarding claim 59**, which is dependent upon claim 58, Shroeder further discloses:

*wherein the receiver receives the self-describing markup language data definition generated by a generator. (Fig. 1B #26 and #28)*

**Independent claim 64** is directed to a computer program product for code configured to cause a computer to perform the method steps of claim 49. As such, claim 64 is substantially similar to claim 49, and therefore similarly rejected.

**Regarding claim 65**, which is dependent upon claim 64, Shroeder further discloses:

*prior to said receiving step, generating data definitions corresponding to each transaction type in generating the self-describing markup language data definition. ([0051])*

**Claims 70-72** are substantially similar to claims 10-12, respectively, and therefore likewise rejected.

**Independent claim 73** is a means plus function recitation directed to a system for implementing the method of claim 49. As such, claim 73 is substantially similar to claim 49, and therefore similarly rejected.

#### ***Claim Rejections - 35 USC § 103***

10. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

**11. Claims 2-5, 14, 19-22, 28, 33-35, 39-48, 51-54, 60-63 and 66-69 are rejected**

**under 35 U.S.C. 103(a)** as being unpatentable over Shroeder et al (US Patent

Application Publication No. 2002/0099735, filed Jan. 19, 2001 and published Jul. 25,

2002, hereafter referred to as "Shroeder") in view of Webber (US Patent No. 6,418,400,

provisionally filed Dec. 31, 1997, hereafter referred to as "Webber").

**Regarding claim 2**, which is dependent upon claim 1, the limitations of claim 1 have been previously addressed.

Shroeder further discloses:

*wherein the step of generating data definitions comprises receiving ... an EDI standard (Fig. 4 #402 and [0051]), a version of the standard (Fig. 4 #402 and [0051]), a transaction set. (Fig. 4 #400, [0051] and [0052])*

However, Shroeder does not explicitly disclose:

*... user input of ...*

Webber, though, discloses:

*... user input of ... (Fig. 3 GUI)*

It would have been obvious to one of ordinary skill in the art at the time of the invention to apply the teachings of Webber for the benefit of Shroeder, because to do so

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would have allowed a user to perform EDI translations using a Graphical User Interface rather than complex coding methods, as taught by Webber in the Abstract. These references were all applicable to the same field of endeavor, i.e., EDI translation.

**Claims 3-5** are substantially similar to claim 2, and therefore likewise rejected.

**Regarding claim 14**, which is dependent upon claim 13, the limitations of claim 13 have been previously addressed.

However, Shroeder does not explicitly disclose:

*wherein the self-describing markup language comprises XML and wherein the first generator is a Data Type Definition Generator (DTD Generator).*

Webber, though, discloses:

*wherein the self-describing markup language comprises XML and wherein the first generator is a Data Type Definition Generator (DTD Generator).* (col. 5 lines 38-50 discuss use of DTD)

It would have been obvious to one of ordinary skill in the art at the time of the invention to apply the teachings of Webber for the benefit of Shroeder, because to do so would have allowed a user to perform EDI translations using a Graphical User Interface rather than complex coding methods, as taught by Webber in the Abstract. These references were all applicable to the same field of endeavor, i.e., EDI translation.

**Claim 19** is substantially similar to claim 2, and therefore likewise rejected.

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**Claims 20-22** are substantially similar to claim 19, and therefore likewise rejected.

**Claim 28** is substantially similar to claim 14, and therefore likewise rejected.

**Claim 33** is substantially similar to claim 2, and therefore likewise rejected.

**Claims 34-35** are substantially similar to claim 33, and therefore likewise rejected.

**Regarding independent claim 39**, Shroeder discloses:

A computer implemented method of automatically generating Electronic Data Interchange (EDI) documents (Abstract and Fig. 1B #36) comprising the steps of:

*receiving a standard data model containing EDI related data; (Fig. 1B #24)*

*... ;*

*generating data definitions for the self-describing markup language corresponding to each transaction of the EDI related data ([0051]) ... ; and [sic]*

*generating self-describing markup language data using the data definition for the self-describing markup language corresponding to an EDI transaction and corresponding application data related to EDI; ([0052]) and*

*automatically generating an EDI document based on the self-describing markup language data. (Fig. 1B #36)*

However, Shroeder does not explicitly disclose:

*... ;*

*... ;*

*receiving a manual entry of parameters related to an EDI document format;*

*... and the received manually entered parameters ... ;*

... ;  
...

Webber, though, discloses:

... :  
... ;  
    *receiving a manual entry of parameters related to an EDI document format; (Fig. 3 GUI)*  
    ... *and the received manually entered parameters (via data entry into the Fig. 3 GUI) ... ;*  
... ;  
...

It would have been obvious to one of ordinary skill in the art at the time of the invention to apply the teachings of Webber for the benefit of Shroeder, because to do so would have allowed a user to perform EDI translations using a Graphical User Interface rather than complex coding methods, as taught by Webber in the Abstract. These references were all applicable to the same field of endeavor, i.e., EDI translation.

**Regarding claim 40**, which is dependent upon claim 39, Shroeder further discloses:

*wherein the step of generating data definitions further comprises generating data definitions for the self-describing markup language ([0052]), a data model to read in data (Fig. 4 #404), a data model to read out data (Fig. 4 #412), and a map component file. (Fig. 4 #402)*

**Claims 41-43** are substantially similar to claim 40, and therefore likewise rejected.

**Regarding claim 44**, which is dependent upon claim 39, the limitations of claim 39 have been previously addressed.

Shroeder further discloses:

*wherein the step of receiving a manual entry of parameters comprises receiving ... an EDI standard (Fig. 4 #402 and [0052]), a version of the standard (Fig. 4 #402 and [0052]), a transaction set (Fig. 4 #400, [0051] and [0052]), and a direction. (Fig. 4 #402 and #414, noting "inbound" and "outbound")*

However, Shroeder does not explicitly disclose:

*... user input of ...*

Webber, though, discloses:

*... user input of ...* (using the Fig. 3 GUI)

It would have been obvious to one of ordinary skill in the art at the time of the invention to apply the teachings of Webber for the benefit of Shroeder, because to do so would have allowed a user to perform EDI translations using a Graphical User Interface rather than complex coding methods, as taught by Webber in the Abstract. These references were all applicable to the same field of endeavor, i.e., EDI translation.

**Claims 45-47** are substantially similar to claim 44, and therefore likewise rejected.

**Regarding claim 48**, which is dependent upon claim 39, the limitations of claim 39 have been previously addressed.

However, Shroeder does not explicitly disclose:

*one data type definition for each transaction of each EDI standard used when generating EDI documents.*

Webber, though, discloses:

*one data type definition for each transaction of each EDI standard used when generating EDI documents. (col. 5 lines 38-50 discusses use of DTD)*

It would have been obvious to one of ordinary skill in the art at the time of the invention to apply the teachings of Webber for the benefit of Shroeder, because to do so would have allowed a user to perform EDI translations using a Graphical User Interface rather than complex coding methods, as taught by Webber in the Abstract. These references were all applicable to the same field of endeavor, i.e., EDI translation.

**Regarding claim 51**, which is dependent upon claim 49, the limitations of claim 49 have been previously addressed.

Shroeder further discloses:

*prior to said retrieving step, receiving ... an EDI standard (Fig. 4 #402 and [0051]), a version of the standard (Fig. 4 #402 and [0051]), and a transaction set in generating the self-describing markup language data definition. (Fig. 4 #400, [0051] and [0052])*

However, Shroeder does not explicitly disclose:

*... user input of ...*

Webber, though, discloses:



*... user input of ... . (via Fig. 3 GUI)*

It would have been obvious to one of ordinary skill in the art at the time of the invention to apply the teachings of Webber for the benefit of Shroeder, because to do so would have allowed a user to perform EDI translations using a Graphical User Interface rather than complex coding methods, as taught by Webber in the Abstract. These references were all applicable to the same field of endeavor, i.e., EDI translation.

**Claims 52-54** are substantially similar to claim 51, and therefore likewise rejected.

**Regarding claim 60**, which is dependent upon claim 58, the limitations of claim 58 have been previously addressed.

Shroeder further discloses:

*wherein the generator further comprises ... an EDI standard (Fig. 4 #402 and [0051]), a version of the standard (Fig. 4 #402 and [0051]), and a transaction set prior to generating the self-describing markup language format. (Fig. 4 #400, [0051] and [0052])*

However, Shroeder does not explicitly disclose:

*... a user interface for user input of ... .*

Webber, though, discloses:

*... a user interface for user input of ... . (Fig. 3 GUI)*

It would have been obvious to one of ordinary skill in the art at the time of the invention to apply the teachings of Webber for the benefit of Shroeder, because to do so would have allowed a user to perform EDI translations using a Graphical User Interface rather than complex coding methods, as taught by Webber in the Abstract. These references were all applicable to the same field of endeavor, i.e., EDI translation.

**Claims 61-63** are substantially similar to claim 60, and therefore likewise rejected.

**Regarding claim 66**, which is dependent upon claim 64, the limitations of claim 64 have been previously addressed.

Shroeder further discloses:

*prior to said retrieving step, receiving ... an EDI standard (Fig. 4 #402 and [0051]), a version of the standard (Fig. 4 #402 and [0051]), and a transaction set in generating the self-describing markup language data definition. (Fig. 4 #400, [0051] and [0052])*

However, Shroeder does not explicitly disclose:

*... user input of ...*

Webber, though, discloses:

*... user input of ... (via the Fig. 3 GUI)*

It would have been obvious to one of ordinary skill in the art at the time of the invention to apply the teachings of Webber for the benefit of Shroeder, because to do so

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would have allowed a user to perform EDI translations using a Graphical User Interface rather than complex coding methods, as taught by Webber in the Abstract. These references were all applicable to the same field of endeavor, i.e., EDI translation.

**Claims 67-69** are substantially similar to claim 66, and therefore likewise rejected.

### **Conclusion**

12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

#### **Non-patent Literature**

"Welcome to INET'99: The Internet Global Summit", Conference Announcement, San Jose, CA, Jun. 22-25, 1999, p. 1 (downloaded from: [www.isoc.org/inet99/confserv/](http://www.isoc.org/inet99/confserv/)).

Smith, Graham R., "Reshaping the EDI Business Landscape Utilizing XML", INET'99, San Jose, CA, Jun. 22-25, 1999, pp. 1-5 (downloaded from: [www.isoc.org/inet99/Proceedings/li/li\\_1.htm](http://www.isoc.org/inet99/Proceedings/li/li_1.htm)).

"<XML> on Wall Street: How XML is being Applied in Today's Financial Markets", Dec. 7, 2001, p. 1 (downloaded from: [lightpartners.com/xml/newsarchive/20011207b.htm](http://lightpartners.com/xml/newsarchive/20011207b.htm)).

"Proposal for a UN Repository for XML/EDI", EEMA EDI Working Group, Jun. 29, 1998, pp. 1-6 (downloaded from: [www.webarchive.org/web/19980629101518/http://www.edi-tie.nl/edifact/xml-edi\\_proposal\\_simac.htm](http://www.webarchive.org/web/19980629101518/http://www.edi-tie.nl/edifact/xml-edi_proposal_simac.htm)).

Raman, Dick, "Setting Up a UN Repository for XML/EDI", EEMA EDI Working Group, Mar. 4, 2000, pp. 1-7 (downloaded from: [www.webarchive.org/web/20000304113933/http://www.edi-tie.nl/edifact/XML-EDirepositorySetup.htm](http://www.webarchive.org/web/20000304113933/http://www.edi-tie.nl/edifact/XML-EDirepositorySetup.htm)).

"Business-to-Business (B2B) eMarketplaces: If you build them ... WILL THEY COME???", Industry White Paper, ACOM, Solutions, Long Beach, CA, Feb. 6, 2001, pp. 1-3 plus date page [4 pages total] (date page downloaded from: [searchcio.techtarget.com/whitepaperPage/0,293857,sid19\\_gci827667,00.html](http://searchcio.techtarget.com/whitepaperPage/0,293857,sid19_gci827667,00.html)).

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Peat, Bruce, et al., "Introducing XML/EDI ... the e-Business framework", The XML/EDI Group, Aug. 1997, pp. 1-14 (downloaded from: [www.geocities.com/WallStreet/Floor/5815/start.htm?200511](http://www.geocities.com/WallStreet/Floor/5815/start.htm?200511)).

"Autoline", Trademark Electronic Search System (TESS) results page, Trademark filed Dec. 4, 2000, 2 pages (downloaded from: <http://tess2.uspto.gov/bin/showfield?f=doc&state=svpss2.4.2>).

Raman, Dick, "Proposal for a UN Repository for XML Tags Based on UN/EDIFACT", TRADE/CEFACT/1998/CRP.25, Sep. 14-16, 1998, pp. 1-4 (downloaded from: [www.edi-tie.nl/edifact/98crp25.htm](http://www.edi-tie.nl/edifact/98crp25.htm)).

#### ***US Patent Application Publications***

Lee et al	US2002/0143824
Rozek et al	US2002/0120641
Shroeder et al	US2002/0099735
Price et al	US2002/0035583
Knauss et al	US2002/0083099
Stevens	US2002/0143823
Chen et al	US2003/0018666
Qureshi et al	US2003/0014270

#### ***US Patents***

Dingman et al	6,820,135
Li et al	6,772,180
Richards	6,408,303
Watters	6,490,718
Webber	6,418,400
Magill et al	5,727,129
Webber	5,909,570

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert M Stevens whose telephone number is (571) 272-4102. The examiner can normally be reached on M-F 6:00 - 2:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph H. Feild can be reached on (571) 272-4090. The current fax phone

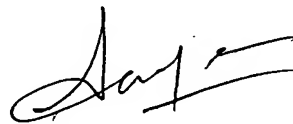
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number for the organization where this application or proceeding is assigned is 703-872-9306. Additionally, the main number for Technology Center 2100 is (571) 272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Robert M. Stevens  
Art Unit 2176  
Date: March 11, 2005

rms



SANJIV SHAH  
PRIMARY EXAMINER